

Figures

Figure 1: A diagram showing the relationship between the variables x and y . The horizontal axis is labeled x and the vertical axis is labeled y . A curve is plotted in the first quadrant, starting from the origin and increasing as x increases. The curve is concave down, indicating that the rate of increase of y with respect to x is decreasing. The curve is labeled with the equation $y = \sqrt{x}$.

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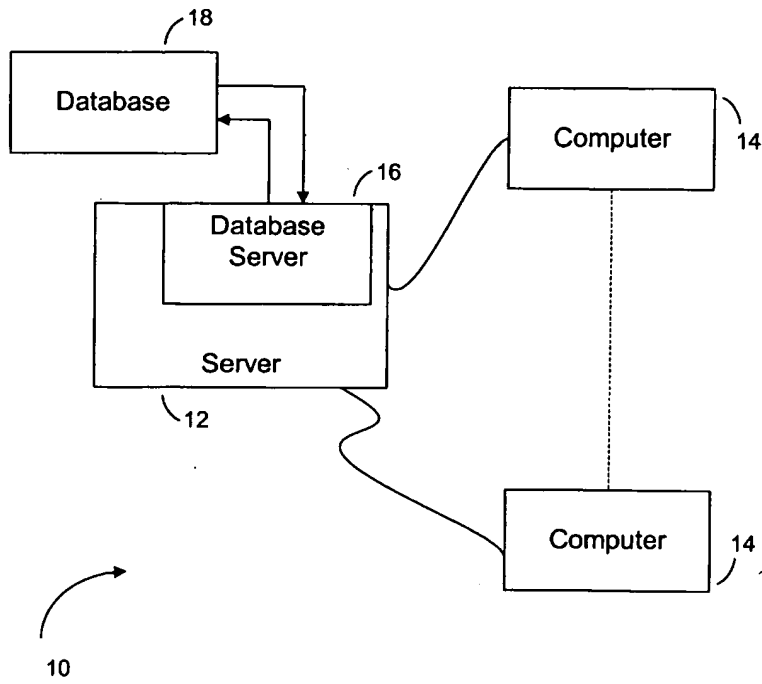


FIG. 1

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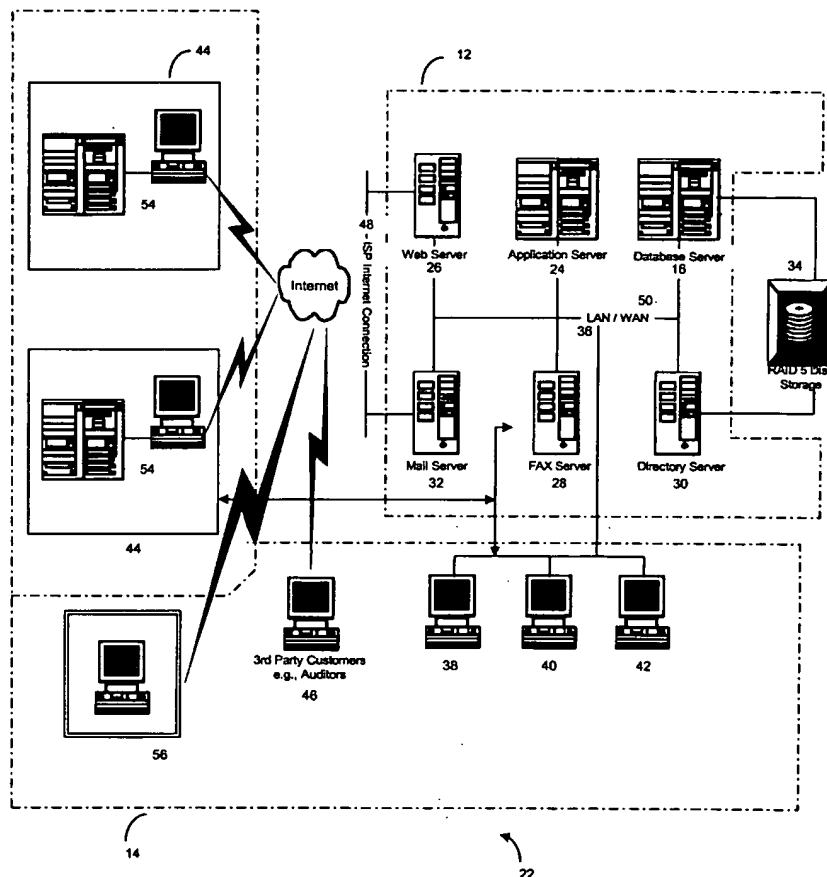


FIGURE 2

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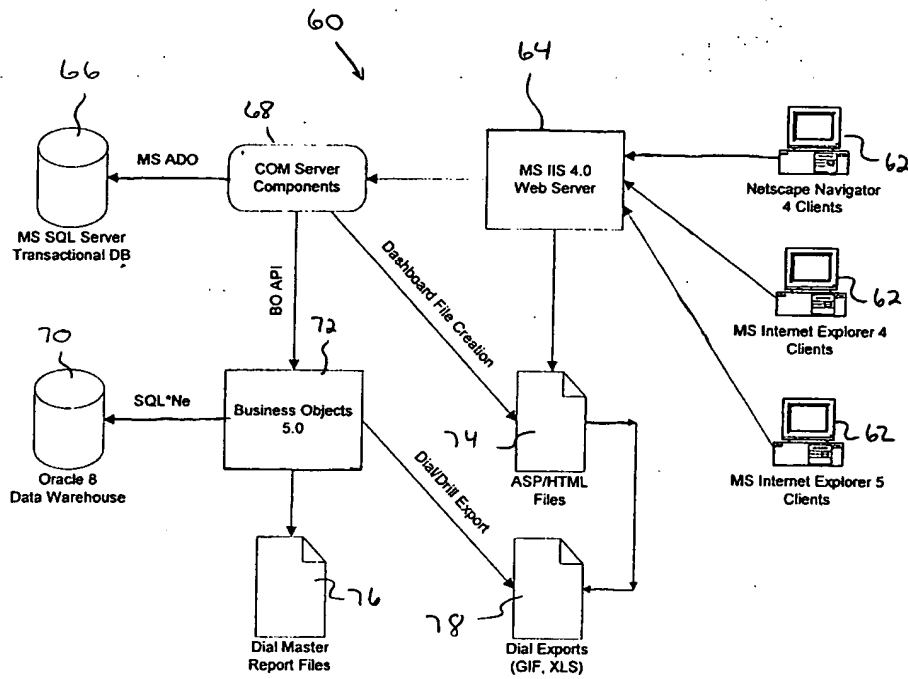
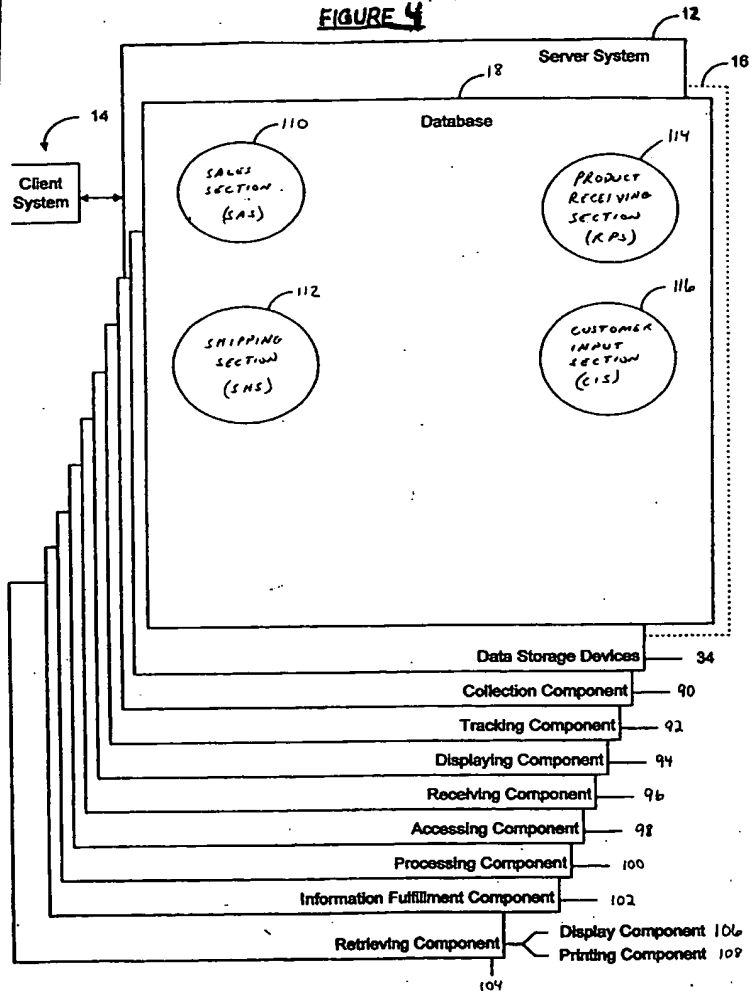


Figure 3

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FIGURE 4



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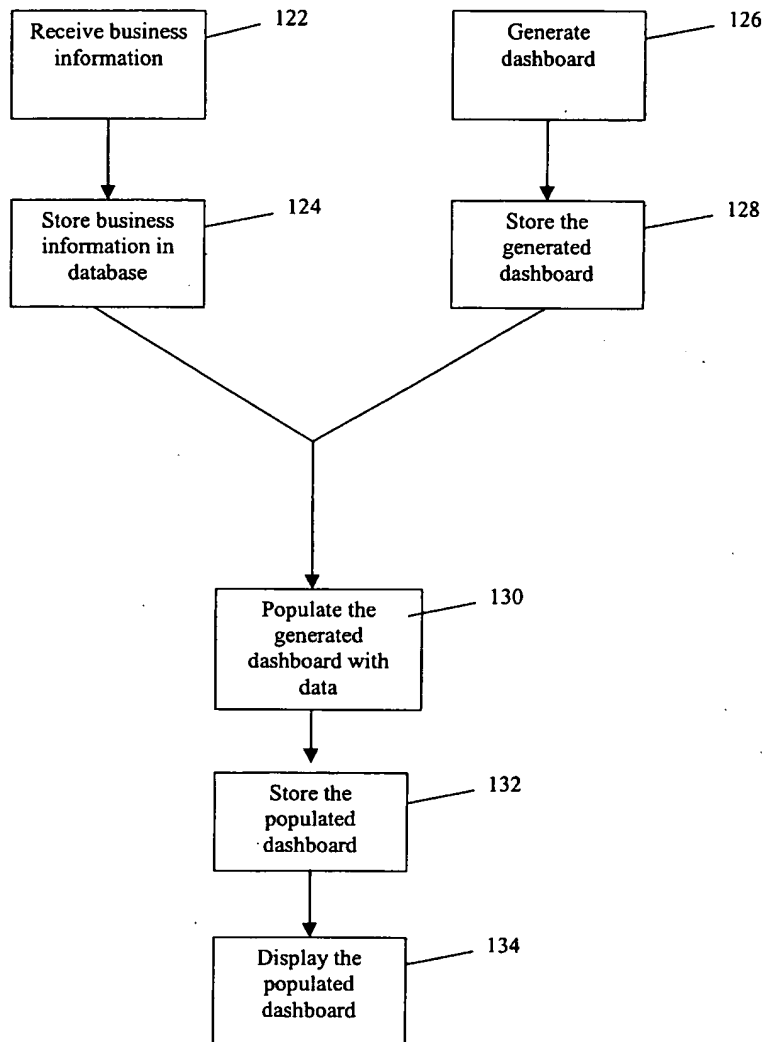


Figure 5

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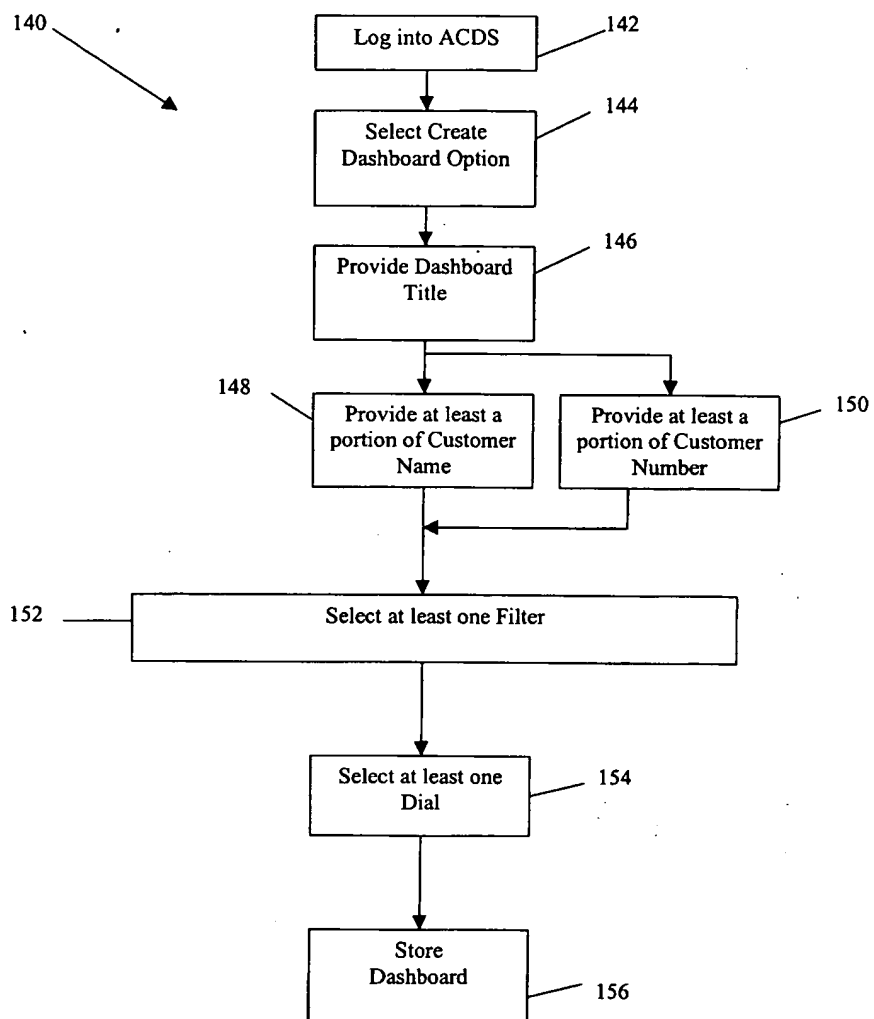


Figure 6

200 ↗

GE Ind5ys Automated Customer Dashboard 1.0 - Microsoft Internet Explorer

http://dashboard.indsys.ge.com/

Industrial Systems
Automated Customer Dashboard 1.0

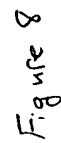
Login

Username: Password:

[Forgot Username/Password](#)

[Forgot Username/Password](#) | [Online Help](#) | [Send Comments](#)

Figure 7



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Dashboard Info Dial Info Viewers Preferences Create Dashboard

Customer Dashboard application has predefined dashboard templates that help you create your dashboard faster. These templates will have preselected dials. The templates are created for your convenience. You can change the dials on a dashboard at any time during dashboard creation or editing even if you select a template to create the dashboard. Listed below are the preselected dials for each dashboard template.

Dashboard Templates

I Do not want to use any template

Next

264

262

266

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Figure 9

280

Dashboard Info | **Dial Info** | Viewers | Preferences | **Create Dashboard**

All the required fields are marked by *
Dashboard Title*: 282

Enter a partial name of the customer. A list of all customers will be displayed which contain the partial customer name you enter. If you leave the following field blank, you will not be able to select a customer number or name from the subsequent screens. For example, if you want to create a dashboard for Crescent Electric, enter "crescent" or "CRESCENT" in the partial customer name. The search in the database based on your entry in case insensitive.

Partial Customer Name: 284

You can enter upto 5 partial customer numbers. A union of partial customer name and partial customer numbers will be used to generate the customer name and customer number choice lists.

Partial Customer Numbers: 286

Choose if you want to display the Product Family choice list on the next screen. If you decide to view the Product Family list, it will take atleast 2 minutes to build the next screen. If you decide not to display the list, ALL will be selected from the Product Family list

Display Product Family List: Do not display the list 288

Back Next
290 292

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Figure 10

Figure 11

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Dashboard
Dial Info
Views
Preferences
Create Dashboard

Customer Names and Customer Names - Numbers fields will display all the customers where the partial name you entered appears. Selecting "All" from both fields will select all the customers in the database not just the customers displayed here. You can choose multiple selections from each of the following fields by holding Ctrl key and selecting the choices.

Dashboard Title :

Customer Name: All 302

Customer Name - Number: All 304

Region Name - Number: All 310

District Name - Number: All 314

Customer Name: AMEREN/CPS 306

Customer Name - Number: AMEREN/CPS - 2583701 308
AMEREN/CPS - 2583769
AMEREN/CPS - 2583774
AMEREN/CPS - 2583753
AMEREN/CPS - 2583729

Region Name - Number: DE - DE 312
KA - KA
PE - PE
R - R
S - S

District Name - Number: 000 - 000
088 - 088
200 - 200

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Business Team Code -
Product Segment -
Product Segment Code:

1000-1000
088-088
300-300
300-300

322

COMP - INDUSTRIAL COMPONENTS - IT
COMP - AFTER MARKET SERVICES - WS
COMP - CONTROL PRODUCTS - CP
COMP - HEAVY-DUTY SAFETY SWITCHES - IS
COMP - LIGHTING PANELBOARDS - EL

Plant Name - Code:

324

1-1
(EPO) - EP
7-7
ABB - DA
ACCESSEQ - Y

Product Family - Code:

326

328 330 332

Back Next Update

Figure 12

Dashboard Info **Dial Info** **Viewers** **Preferences** **Create Dashboard**

You can select up to 6 dials per dashboard. Dials on the dashboard will be displayed in the "Selected Dials" box. To select a dial, check the box in front of the dial. To view the operational definition of a dial, click on the dial name. All the dials are grouped in various categories.

Dashboard Title : sample

- 342
- Dials to Select**
- 1st Shipment Fill Rate - Stock Items
 - Standard
 - Exclude Single Line Items
 - A Items Only
 - A Items Only, Excluding Single Line Items
 - 1st and 2nd Shipment Fill Rate
 - 1st Shipment Fill Rate - Stock Unit Ship
 - Standard
 - Exclude Single Line Items
 - A Items Only
 - A Items Only, Excluding Single Line Items
- 344
- General Dials

346

348

350

Selected Dials

General Dials - Sales Trend

1st Shipment Fill Rate - Stock Items - A Items Excluding Single Line Items

Dial Definition The number of items shipped with the 1st shipment on a completed stock requisition not including single line item requisitions or B or C class code line items.

Calculations

- All the requisitions that have more than one 'A' line items, will be used using the criteria you entered in the Dashboard Filter screen.
- For each requisition, the first ship date is calculated only using the line items where **material class code is 'A'**. If the fill rate for the first ship date is less than 10%, the next ship date for the requisition is used.
- 1st Shipment Fill rate is = Number of 'A' line items shipped on the first ship date / Total number of 'A' line items for the requisition
- An average of all the fill rates is displayed as the fill rate for the month.

Type of Graph

Figure 13

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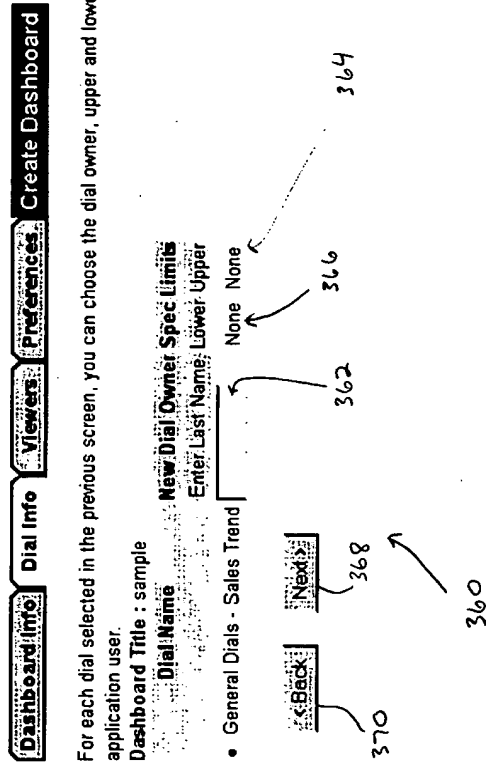


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Dashboard Info Dial Info Viewers Preferences Create Dashboard

Dashboard Title : sample

You can grant viewing privileges for other users to view current dashboard. A dashboard can have any number of viewers. You can enter up to 5 viewers at a time. If you need to enter more than 5 viewers, enter 5 and submit the page. A new page will allow you to enter 5 more.

Enter New Viewers

Last Name

382

Back

386

Next

384



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Figure 15

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Dashboard List Create Dashboard Admin Profile GE Home IndSys Home Help Comments Logout

Dashboard Info Dial Info Viewers Preferences Create Dashboard

The preferences set here will be used to generate the dashboard. These preferences can be changed at any time.

Dashboard Title : sample

Dial Name Display

General Dials - Sales Trend Dial Owners Spec Limits Variance

Time Span To Generate Dashboard

Always use past 12 months of data to generate dashboard.

Generate dashboard using data from Jan.2000 to Jan.2000

Back Dashboard List

408 406

400

Figure 16

420 ↗

Automated Customer Dashboards 1.0

Dashboard List Create Dashboard Admin Profile GE Home IndSys Home Help Comments Logout

My Dashboards **Dial Owner** **Viewer** **Dashboard List**

The following is a list of dashboards that you created. Generation time listed below is Eastern Time. The list is sorted by Dashboard Title.

- [sample](#) [\[Edit Dashboard\]](#) Last Generated On: To be Generated [\[Generate Dashboard\]](#)

↑ 422 ↑ 424

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Figure 17

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Automated Customer Dashboards 1.0

Dashboard List Create Dashboard Admin Profile GE Home IndSys Home Help Comments Logout

My Dashboards **Dial Owner** **Viewer** **Dashboard List**

The following is a list of dashboards that you created. Generation time listed below is Eastern Time. The list is sorted by Dashboard Title.

- Sample [Edit Dashboard] Last Generated On: Jan 11 2000 12:24PM [Generate Dashboard]



442



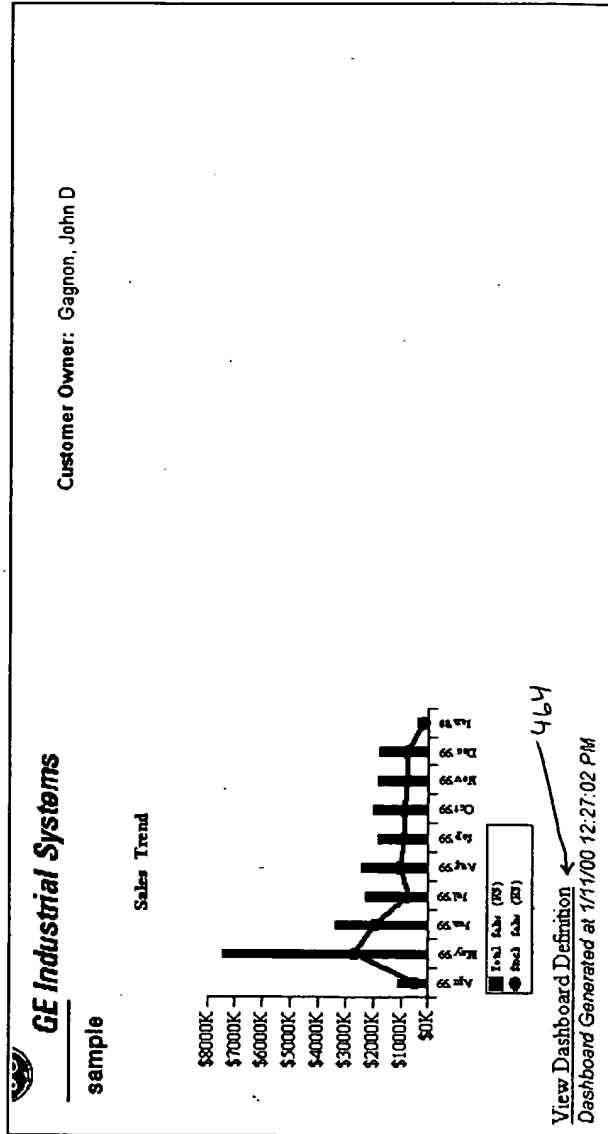
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Figure 18

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464

462

Figure 19

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Automated Customer Dashboards 1.0											
Dashboard List Create Dashboard Admin Profile GE Home IndSys Home He											
A1 Sales Trend											
	A	B	C	D	E	F	G	H	I	J	K
1	Sales Trend										
2	Requisitor	Requisitor	Customer	Customer	Requisitor	Region	District	Total Sales	Stock	Sales	
3	3/29/99	4/5/99	2827612	CRESCEN	39610208	Central	Minneapolis	539.88	539.88	539.88	
4	3/30/99	4/5/99	2827612	CRESCEN	39610209	Central	Minneapolis	2,530.49	0	0	
5	3/30/99	4/5/99	2827612	CRESCEN	39610211	Central	Minneapolis	703	0	0	
6	3/22/99	4/5/99	2827601	CRESCEN	39613834	Central	Minneapolis	661	0	0	
7	3/29/99	4/5/99	2827604	CRESCEN	39834074	Central	North Cent	6,834.96	0	0	
8	3/30/99	4/5/99	2827640	CRESCEN	40869586	Central	St Louis	692.64	0	0	
9	3/30/99	4/5/99	2827640	CRESCEN	40869586	Central	St Louis	692.64	0	0	
10	4/1/99	4/5/99	2827605	CRESCEN	41398540	Central	Minneapolis	1,007.00	0	0	

Figure 20

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005

My Dashboards

Distributors: Performance for:

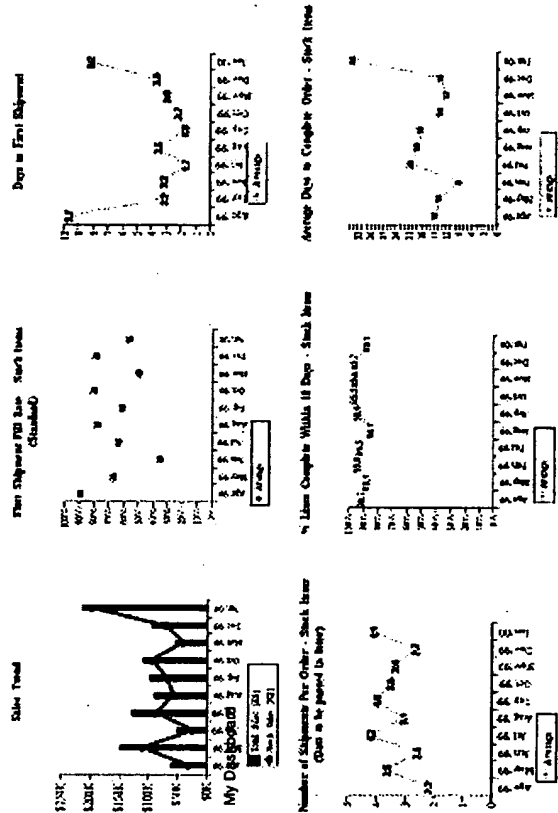


Figure 21

Manuscript received 25 JULY 2005; accepted 20 OCT 2005.